

Author Index

- Abemayor E, 195
 Abidin MR, 268
 Ahn ST, 17
 Alberius P, 475
 Alpert BS, 431
 Angel MF, 152
 Apfelberg DB, 1, 397
 Argenta LC, 342, 427
 Augustine J, 32
- Bailey MH, 276
 Bansberg SF, 61
 Barber WB, 420
 Bardach J, 335
 Barwick WJ, 420
 Becker H, 380, 489
 Beekman WH, 248
 Berman DE, 63
 Berrino P, 481
 Binder WJ, 200
 Bleicher JN, 24
 Blomqvist G, 475
 Brenman SA, 420
 Brewer AR, 134
 Brodsky JB, 302
 Bubak PJ, 162
 Buncke HJ, 431
- Caffee HH, 197
 Canales FL, 534
 Capozzi A, 298
 Carraway JH, 139, 191, 293
 Casas LA, 283
 Chang C-h, 510
 Chang Y-L, 455
 Cheng S-C, 24
 Chen H-c, 510
 Chernofsky M, 289
 Chowdary RP, 75, 289
 Clark RG, 101
 Cook JQ, 276
 Courtiss EH, 298
 Cuadros CL, 252
- Dammeijer PF, 248
 Daniller A, 469
 Davis JW Jr, 534
 Doores S, 271
 Dougan P, 216
 Drever JM, 238
 Du P, 328
- Efird RC, 299
 Egbert B, 68
 Engrav LH, 162
- Fairbanks DW, 63
 Fearon J, 252
 Ferder M, 521
 Field LM, 467
 Francel TJ, 268, 304
 Franchelli S, 481
 Friedman HI, 32
 Furnas H, 431, 534, 548
- Gajiwala KJ, 96
 Ganel A, 7
 Gillinov MA, 268
 Glafkides M, 534
 Göbel M, 156
 Goode R, 195
 Gordon MJV, 521
 Goto S, 346
 Govila A, 109
 Grant KF, 176
 Grube BJ, 162
 Gupta BR, 362
 Guyuron B, 170
 Gyoutoku H, 459
- Habal MB, 279
 Hallock GG, 80, 86, 213, 371
 Hammond DC, 176
 Hata Y, 53, 149
 Hawtof D, 40
 Hayashi A, 310
 Herring SH, 299
 Herschman B, 40
 He W, 328
 Hira M, 45
 Hiromatsu N, 318
 Hoshino K, 10
 Hosokawa K, 53, 149
- Irigaray A, 354
 Ishii Y, 350
 Ishikawa K, 10
 Isshiki N, 10
 Ito O, 53, 149
- Jaeger K, 156
 Juri J, 354
- Kaiser DG, 427
 Kanter M, 447
 Kapp DS, 68
 Karp NS, 231
 Kasai K-i, 117
 Kauffman RR, 541
 Kawamoto HK, 528
 Kelly KM, 335
- Kenney JG, 63, 524
 Khazanchi RK, 152
 Kim K, 179
 Klingman R, 186
 Koch TJ, 213
 Konior RJ, 385
 Kon M, 445
 Kort WJ, 248
 Kridel RWH, 385
 Kroll SS, 271
 Krugman ME, 61
 Kurihara K, 179, 346
- Laban E, 445
 Lane B, 397
 Larson DL, 545
 Lash H, 397
 Lewis CM, 132, 165
 Lewis VL Jr, 276, 283
 Liggins DF, 517
 Lineaweaver WC, 431, 534
 Little BW, 75
 Liu AC, 68, 498
- Mahoney JL, 455
 Ma J-G, 328
 Marcelo CL, 342
 Marks MP, 397
 Marks MW, 299
 Marshall KA, 304
 Maruyama Y, 310
 Maser MR, 397
 Matheson G, 238
 Matsuka K, 53, 149
 Matt BH, 335
 Matton G, 98
 McCarthy JG, 231
 Mellow CG, 139, 191, 293
 Miller LB, 447
 Mittelman H, 1
 Morgan RF, 524
 Mori C, 10
 Morykwas MJ, 342, 427
 Moss RA, 538
 Mo ST, 498
 Mustarde JC, 139
 Mustoe TA, 17
- Nakayama Y, 91
 Napoleon A, 165
 Neale HW, 101
 Nesmith RL, 299
 Nichter LS, 362
 Noordhoff MS, 510
- O'Brien BMCC, 152, 258
 Ogawa Y, 117
 Ogli K, 149
 Ohsumi N, 318
 Ohtsuka H, 409
 Oneal RM, 427
 Ousterhout DK, 126
- Paul MD, 378
 Pearl RM, 189, 194
 Peat BG, 517
 Pederson WC, 420
 Peled JJ, 384
 Pieper D, 40
- Ramirez OM, 223
 Raszewski RL, 170
 Rauck RL, 299
 Reavie D, 469
 Rose EH, 451, 542
 Rosen JM, 68, 498
- Sadove RC, 366
 Sagi A, 521
 Sakai M, 318
 Sakai S, 49, 350
 Salerno GM, 24
 Sano S, 45
 Santi P, 481
 Satoh K, 318, 459
 Savage RC, 304
 Schendel SA, 543, 547
 Schluter WW, 186
 Shanhbag A, 32
 Simpson WD, 176
 Sissons HA, 231
 Sluimers JE, 248
 Soeda S, 49, 91, 350
 Song W-M, 328
 Speight KL, 299
 Spinowitz A, 540
 Squier CA, 335
 Stark GB, 156
 Stefan M, 289
 Stein KL, 98
 Strauch B, 521
 Stromberg BV, 24, 134, 186
 Stuart JD, 524
 Sunde D, 189
 Sun G-C, 328
- Tajima S, 45
 Tang Y-b, 510
 Thaller SR, 469, 528
 Thompson W, 40

January issue, pp 1-100; February issue, pp 101-196; March issue, pp 197-298; April issue, pp 299-384; May issue, pp 385-468; June issue, pp 469-561.

- | | | | |
|-------------------------|--------------------|------------------|------------------|
| Thorne CHM, 231 | Vistnes LM, 99 | Xu-Yan L, 414 | Zarem HA, 546 |
| Thornton JW, 342 | von Recum AF, 32 | | Zeaiter C, 354 |
| Tie-Jun W, 414 | | | Zhi-Xiang Z, 414 |
| Topol BM, 268 | | | Zhong A-G, 328 |
| Turkeltaub SH, 279 | | | Zook EG, 468 |
| | | | |
| Unthank P, 40 | Waters LM, 68, 544 | Yaffe B, 7 | |
| Usami Y, 459 | Wey PD, 283 | Yakuboff KP, 101 | |
| | White DN, 397 | Yano K, 53, 149 | |
| van der Meulen JHC, 248 | Wieslander JB, 216 | Yie W, 414 | |
| van Leeuwen JBS, 489 | Wolfe SA, 545 | Yoshii S, 49 | |
| | Wolfort F, 447 | Yuan-Jie Z, 414 | |
| | Wyble EJ, 101 | Yu H-L, 521 | |

Subject Index

Abdomen

combined suction-assisted lipectomy, surgical lipectomy, and surgical abdominoplasty (Ousterhout); (invited comment) (Lewis) 1990;24:126

Abdominal wall

microsurgical transfer of the rectus abdominis muscle using the superior epigastric vessels (Canales et al) 1990; 24:534 (Case report)

Adipose tissue, transplantation

syringe aspiration and fat concentration: a simple technique for autologous fat injection (Carraway and Mellow); (invited comment) (Ellenbogen) 1990;24:293 (Case report)

Aged

psychological considerations in the elderly cosmetic surgery candidate (Napoleon and Lewis) 1990;24:165 (Overview)

Allen test

results of the Allen test on 2,940 arms (Hosokawa et al) 1990;24:149

Ambulatory surgery

early experience with high thoracic epidural anesthesia in outpatient submuscular breast augmentation (Nesmith et al); (invited comment) (Brodsky) 1990;24:299

Amputation, traumatic

successful replantation of a totally amputated ear (Sadove) 1990;24:366 (Case report)

Anastomosis, surgical

avulsion of the scalp: which one is the best artery for anastomosis? (Sakai et al) 1990;24:350 (Case report)

large vascular plexiform neurofibroma of scalp: excision and coverage with free tissue transfer (Chowdary and Little) 1990;24:75 (Case report)

use of vein-patch angioplasty in microvascular tissue transfers (Chowdary et al) 1990;24:289 (Case report)

Anesthesia, epidural

early experience with high thoracic epidural anesthesia in outpatient submuscular breast augmentation (Nesmith et al); (invited comment) (Brodsky) 1990;24:299

Angiosarcoma. See Hemangiosarcoma

Ankle joint

ankle instability of the donor site following removal of vascularized fibula bone graft (Ganel and Yaffe) 1990; 24:7

Arteries

washout of vessels with heparin does not improve patency following severe microarterial trauma: an experimental study (Wieslander and Dougan) 1990;24:216

Arteries, transplantation. See Flaps, arterial

Atherosclerosis

pedicled free flaps: indications in complex reconstruction (Brenman et al) 1990;24:420

Autograft. See Transplantation, autologous

Blepharochalasis. See Cutis laxa

Blepharoplasty. See Eyelids

Blinking

electrophysiological study of the denervated orbicularis oculi muscle in dogs (Salerno et al) 1990;24:24

Blood flow velocity

improvement in blood flow and diameter of the postnasotomotic rat tail artery by topical application of lidocaine in varying concentrations (Beekman et al) 1990;24:248

Bone and bones, transplantation

ankle instability of the donor site following removal of vascularized fibula bone graft (Ganel and Yaffe) 1990; 24:7

microvascular soft tissue reconstruction for acute tibial fractures—late complications and the role of bone grafting (Peat and Liggins) 1990;24:517

Bone diseases

ankle instability of the donor site following removal of vascularized fibula bone graft (Ganel and Yaffe) 1990; 24:7

Bone lengthening

bone lengthening in the craniofacial skeleton (Karp et al) 1990;24:231

Book critiques

Aesthetic Surgery of the Aging Face, by Beeson and McCollough (Zarem) 1990;24:546

Aging and the Skin, edited by Balin and Kligman (Vistnes) 1990;24:99

An Atlas of Head and Neck Surgery, Third Edition, by Loré Jr (Goode) 1990;24:195

Current Therapy in Plastic and Reconstructive Surgery: Head and Neck (Volume 1), edited by Marsh (Capozzi) 1990;24:298

Current Therapy in Plastic and Reconstructive Surgery—Trunk and Extremities, edited by Marsh (Rose) 1990; 24:542

Dermabrasion and Chemical Peel, by McCollough and Langsdon (Courtiss) 1990;24:298

Facial Fractures, edited by Habal and Ariyan (Schendel) 1990;24:543

Instructional Courses, Volume 1, 1988, edited by Johnson et al (Abemayor) 1990;24:195

Internal Fixation of the Mandible, by Spiessl (Kauffman) 1990;24:541

January issue, pp 1–100; February issue, pp 101–196; March issue, pp 197–298; April issue, pp 299–384; May issue, pp 385–468; June issue, pp 469–561.

Book critiques (continued)

- La Rhinoplastie Esthétique (Aesthetic Rhinoplasty)*, by Aiach and Levignac (Wolfe) 1990;24:545
- Reconstructive and Aesthetic Mammoplasty*, by Guthrie Jr and Schwartz (Waters) 1990;24:544
- Scientific Foundations and Surgical Treatment of Craniosynostosis*, edited by Persing, Edgerton, and Jane (Schendel) 1990;24:547
- Socioeconomics of Surgery*, by Rutkow (Pearl) 1990;24:194
- Surgical Management of Soft Tissue Sarcoma*, by Shiu and Brennan (Larson) 1990;24:545
- Tissue Transfers in Reconstructive Surgery*, by Smet (Furnas) 1990;24:548

Breast

- correction of breast ptosis with the expander mammary prosthesis (Becker and van Leeuwen) 1990;24:489
- early experience with high thoracic epidural anesthesia in outpatient submuscular breast augmentation (Nesmith et al); (invited comment) (Brotsky) 1990;24:299
- fate of soluble steroids within breast prostheses in humans (Morykwas et al) 1990;24:427
- intraluminal cyclosporine A reduces capsular thickness around silicone implants in rats (Stark et al) 1990;24:156
- lesion of the long thoracic nerve during transaxillary breast augmentation: an unusual complication (Laban and Kon) 1990;24:445 (Case report)
- nipple-areola transposition by the superolateral-rotation pedicle technique in reduction mammoplasty: surgical description (Blomqvist and Alberius) 1990;24:475
- nipple centralization for the correction of breast deformity from segmental mastectomy (Kroll and Doores) 1990;24:271 (Case report)
- psychological preparation of the patient for breast reconstruction (Matheson and Drever) 1990;24:238
- surgical correction of breast deformities following long-lasting complications of polyurethane-covered implants (Berrino et al) 1990;24:481
- technique for valve placement in breast reconstruction using tissue expanders (Paul) 1990;24:378 (Gadgetry)
- textured silicone and capsule contracture (Caffee) 1990;24:197

Bronchial fistula

- microvascular free muscle flaps for chronic empyema with bronchopleural fistula when the major local muscles have been divided—one-stage operation with primary wound closure (Chen et al) 1990;24:510

Burns

- basal cell burn carcinoma (Stromberg et al) 1990;24:186 (Case report)
- dartos musculocutaneous island flap in urethral reconstruction (Kenney et al) 1990;24:63 (Case report)
- single-donor fibrin glue for hand burns (Stuart et al) 1990;24:524

Buttocks

- buried inferiorly based gluteus maximus musculocutaneous flap for reconstruction of large, recurrent ischiopubic pressure sores (Wey et al) 1990;24:283 (Case report)
- experience with the island inferior gluteal thigh flap compared with other local flaps for the reconstruction of the pelvic area (Rosen et al) 1990;24:498
- sliding plication gluteus maximus musculocutaneous flap for reconstruction of sacrococcygeal wounds (Ramirez) 1990;24:223

† Calcaneus

- distally based lateral calcaneal flap (Ishikawa et al) 1990;24:10

Calcium channel blockers

- increased survival length of experimental flap by calcium antagonist nifedipine (Hira et al) 1990;24:45

Carbon dioxide laser surgery. See Laser surgery**Carcinoma, basal cell**

- basal cell burn carcinoma (Stromberg et al) 1990;24:186 (Case report)
- long-term survival following nodal metastases from basal cell carcinoma (Raszewski and Guyuron) 1990;24:170 (Case report)

Cartilage, transplantation

- use of cartilage graft for an orbital socket implant (Carraway et al) 1990;24:139

Case reports

- acute *Pseudomonas* chondritis as a sequel to ear piercing (Turkeltaub and Habal) 1990;24:279
- angiosarcoma of the face and scalp (Liu et al) 1990;24:68
- avulsion of the scalp: which one is the best artery for anastomosis? (Sakai et al) 1990;24:350
- basal cell burn carcinoma (Stromberg et al) 1990;24:186
- buried inferiorly based gluteus maximus musculocutaneous flap for reconstruction of large, recurrent ischiopubic pressure sores (Wey et al) 1990;24:283
- conjoint extensor digitorum brevis muscle and dorsalis pedis osteocutaneous island flap (Hallock) 1990;24:371
- dartos musculocutaneous island flap in urethral reconstruction (Kenney et al) 1990;24:63
- forearm free flap based on an occluded radial artery: its salvage and avoidance (Chang and Mahoney) 1990;24:455
- infection following cranial bone grafting—a need for caution? (Lewis Jr et al) 1990;24:276
- injection of illicit drugs into the granulation tissue of chronic ulcers (Abidin et al) 1990;24:268
- large vascular plexiform neurofibroma of scalp: excision and coverage with free tissue transfer (Chowdary and Little) 1990;24:75
- lesion of the long thoracic nerve during transaxillary breast augmentation: an unusual complication (Laban and Kon) 1990;24:445

- liposuction of giant lipoma (Nichter and Gupta) 1990; 24:362
- long-term survival following nodal metastases from basal cell carcinoma (Raszewski and Guyuron) 1990;24:170
- malignant degeneration of dermal cylindroma (Hammond et al) 1990;24:176
- massive foreign body impalement of the shoulder and chest wall (Rose) 1990;24:451
- microsurgical transfer of the rectus abdominis muscle using the superior epigastric vessels (Canales et al) 1990; 24:534
- nipple centralization for the correction of breast deformity from segmental mastectomy (Kroll and Doores) 1990; 24:271
- open reduction and interfragment wire fixation of comminuted nasal fractures (Kurihara and Kim) 1990;24: 179
- parotid salivary fistula following rhytidectomy (Bansberg and Krugman) 1990;24:61
- polyurethane nipple prosthesis (Hallock) 1990;24:80
- reimplantation of scalp (Juri et al) 1990;24:354
- scrotal reconstruction following Fournier's gangrene using the medial thigh fasciocutaneous flap (Hallock) 1990; 24:86
- scrotal septocutaneous island flap for the reconstruction of the urethral fistula (Sakai et al) 1990;24:49
- successful replantation of a totally amputated ear (Sadove) 1990;24:366
- suprapopliteal flap (Satoh et al) 1990;24:459
- susceptibility to tourniquet-induced radial palsy in the presence of previous humeral fracture (Kurihara and Goto) 1990;24:346
- syringe aspiration and fat concentration: a simple technique for autologous fat injection (Carraway and Mel-low); (invited comment) (Ellenbogen) 1990;24:293
- treatment of orthognathic problems related to scleroderma (Thaller and Kawamoto) 1990;24:528
- treatment of tattoos with pure epidermal sheet grafting (Hosokawa et al) 1990;24:53
- treatment of webbed neck in Turner's syndrome with tissue expansion (Miller et al) 1990;24:447
- use of vein-patch angioplasty in microvascular tissue transfers (Chowdary et al) 1990;24:289
- Chest, injuries.** *See* Thorax, injuries
- Cleaning agents.** *See* Detergents
- Composite flaps.** *See* Flaps, composite
- Correction**
- treatment of bilateral axillary hyperhidrosis by suction-assisted lipolysis technique (Shenaq and Spira) (1987; 19:548) 1990;24:212
- Cranium.** *See* Skull
- Cutaneous flaps.** *See* Flaps, skin
- Cutis laxa**
- carbon dioxide laser blepharoplasty—advantages and disadvantages (Mittelman and Apfelberg) 1990;24:1
- Cyclosporins**
- intraluminal cyclosporine A reduces capsular thickness around silicone implants in rats (Stark et al) 1990; 24:156
- Cylindroma**
- malignant degeneration of dermal cylindroma (Hammond et al) 1990;24:176 (Case report)
- Decubitus ulcer**
- buried inferiorly based gluteus maximus musculocutaneous flap for reconstruction of large, recurrent ischiopubic pressure sores (Wey et al) 1990;24:283 (Case report)
- Degreasing compounds.** *See* Detergents
- Dermabrasion**
- treatment of tattoos with pure epidermal sheet grafting (Hosokawa et al) 1990;24:53 (Case report)
- Detergents**
- toxicity of cleaning agents for removal of grease from wounds (Thompson et al) 1990;24:40
- Diabetes mellitus**
- hand infections in the diabetic and the diabetic renal transplant recipient (Francel et al) 1990;24:304
- Dispare**
- treatment of tattoos with pure epidermal sheet grafting (Hosokawa et al) 1990;24:53 (Case report)
- Doppler velocimeters.** *See* Flowmeters
- Drainage**
- nylon threads used as drains in free skin grafting (Nakayama and Soeda) 1990;24:91 (Gadgetry)
- Drainage suction.** *See* Suction
- Drug abuse.** *See* Substance abuse
- Ear**
- acute *Pseudomonas* chondritis as a sequel to ear piercing (Turkeltaub and Habal) 1990;24:279 (Case report)
- cleft earlobe repair (Fearon and Cuadros) 1990;24:252
- effects of ischemia on ulcer wound healing: a new model in the rabbit ear (Ahn and Mustoe) 1990;24:17
- evaluation of porous polyethylene for external ear reconstruction (Shanbhag et al) 1990;24:32
- successful replantation of a totally amputated ear (Sadove) 1990;24:366 (Case report)
- Ear cartilages**
- acute *Pseudomonas* chondritis as a sequel to ear piercing (Turkeltaub and Habal) 1990;24:279 (Case report)
- Elderly.** *See* Aged
- Empyema**
- microvascular free muscle flaps for chronic empyema with bronchopleural fistula when the major local muscles have been divided—one-stage operation with primary wound closure (Chen et al) 1990;24:510
- Enucleation.** *See* Eye enucleation
- Epidural anesthesia.** *See* Anesthesia, epidural

Escherichia coli

in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134

Eyebrows

partial eyebrow reconstruction using subcutaneous pedicle flaps to preserve the natural hair direction (Kasai and Ogawa) 1990;24:117

Eye enucleation

use of cartilage graft for an orbital socket implant (Carraway et al) 1990;24:139

Eyelids

carbon dioxide laser blepharoplasty—advantages and disadvantages (Mittelman and Apfelberg) 1990;24:1

re: Doermann et al: V-Y advancement flaps for tumor excision defects of the eyelids (Peled) 1990;24:384 (Letter)

re: V-Y advancement flaps for tumor excision defects of the eyelids (Field) (Letter); (Zook) (Reply) 1990;24:467

Eye movements

electrophysiological study of the denervated orbicularis oculi muscle in dogs (Salerno et al) 1990;24:24

Face, abnormalities

dome truncation for management of the overprojected nasal tip (Kridel and Konior) 1990;24:385

port wine stain: distribution patterns on the face and neck (Ohtsuka) 1990;24:409

treatment of orthognathic problems related to scleroderma (Thaller and Kawamoto) 1990;24:528 (Case report)

Face lift. See Rhytidoplasty**Facial bones**

bone lengthening in the craniofacial skeleton (Karp et al) 1990;24:231

Facial neoplasms

angiosarcoma of the face and scalp (Liu et al) 1990;24:68 (Case report)

Facial paralysis

electrophysiological study of the denervated orbicularis oculi muscle in dogs (Salerno et al) 1990;24:24

Fasciocutaneous flaps. See Flaps, fasciocutaneous**Fat grafts. See Adipose tissue, transplantation****Fibrin glue. See Fibrin tissue adhesive****Fibrin tissue adhesive**

single-donor fibrin glue for hand burns (Stuart et al) 1990;24:524

Fibula

ankle instability of the donor site following removal of vascularized fibula bone graft (Ganel and Yaffe) 1990;24:7

Flaps, arterial

forearm free flap based on an occluded radial artery: its salvage and avoidance (Chang and Mahoney) 1990;24:455 (Case report)

suprapluteal flap (Satoh et al) 1990;24:459 (Case report)

Flaps, composite

conjoint extensor digitorum brevis muscle and dorsalis

pedis osteocutaneous island flap (Hallock) 1990;24:371 (Case report)

reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328

Flaps, cutaneous. See Flaps, skin**Flaps, fasciocutaneous**

lateral genicular artery flap (Hayashi and Maruyama) 1990;24:310

nonmicrosurgical transfer of the radial forearm flap for head and neck reconstruction (Govila) 1990;24:109

scrotal reconstruction following Fournier's gangrene using the medial thigh fasciocutaneous flap (Hallock) 1990;24:86 (Case report)

use of free fasciocutaneous and muscle flaps for reconstruction of the foot (Wyble et al) 1990;24:101

Flaps, island

conjoint extensor digitorum brevis muscle and dorsalis pedis osteocutaneous island flap (Hallock) 1990;24:371 (Case report)

dartos musculocutaneous island flap in urethral reconstruction (Kenney et al) 1990;24:63 (Case report)

experience with the island inferior gluteal thigh flap compared with other local flaps for the reconstruction of the pelvic area (Rosen et al) 1990;24:498

external monitoring of vascularized jejunum transfers using laser Doppler flowmetry (Hallock and Koch) 1990;24:213

heel and foot reconstruction using reverse-flow posterior tibial flap (Satoh et al) 1990;24:318

nonmicrosurgical transfer of the radial forearm flap for head and neck reconstruction (Govila) 1990;24:109

reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328

scrotal septocutaneous island flap for the reconstruction of the urethral fistula (Sakai et al) 1990;24:49 (Case report)

Flaps, muscle

large vascular plexiform neurofibroma of scalp: excision and coverage with free tissue transfer (Chowdary and Little) 1990;24:75 (Case report)

microsurgical transfer of the rectus abdominis muscle using the superior epigastric vessels (Canales et al) 1990;24:534 (Case report)

microvascular free muscle flaps for chronic empyema with bronchopleural fistula when the major local muscles have been divided—one-stage operation with primary wound closure (Chen et al) 1990;24:510

microvascular soft tissue reconstruction for acute tibial fractures—late complications and the role of bone grafting (Peat and Liggins) 1990;24:517

use of free fasciocutaneous and muscle flaps for reconstruction of the foot (Wyble et al) 1990;24:101

Flaps, musculocutaneous

anatomy of the subscapular artery and its effects on flap design in the rabbit (Angel et al) 1990;24:152

- buried inferiorly based gluteus maximus musculocutaneous flap for reconstruction of large, recurrent ischiopubic pressure sores (Wey et al) 1990;24:283 (Case report)
- dartos musculocutaneous island flap in urethral reconstruction (Kenney et al) 1990;24:63 (Case report)
- sliding plication gluteus maximus musculocutaneous flap for reconstruction of sacrococcygeal wounds (Ramirez) 1990;24:223
- Flaps, pedicle**
- heel and foot reconstruction using reverse-flow posterior tibial flap (Satoh et al) 1990;24:318
- microsurgical transfer of the rectus abdominis muscle using the superior epigastric vessels (Canales et al) 1990;24:534 (Case report)
- nipple-areola transposition by the superolateral-rotation pedicle technique in reduction mammoplasty: surgical description (Blomqvist and Alberius) 1990;24:475
- partial eyebrow reconstruction using subcutaneous pedicle flaps to preserve the natural hair direction (Kasai and Ogawa) 1990;24:117
- pedicled free flaps: indications in complex reconstruction (Brenman et al) 1990;24:420
- reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328
- suprapopliteal flap (Satoh et al) 1990;24:459 (Case report)
- Flaps, skin**
- distally based lateral calcaneal flap (Ishikawa et al) 1990;24:10
- increasing flap survival: a new method (Zhi-Xiang et al) 1990;24:414
- microvascular soft tissue reconstruction for acute tibial fractures—late complications and the role of bone grafting (Peat and Liggins) 1990;24:517
- pH-balanced solutions with superoxide dismutase (SOD): an attempt to increase island groin flap survival in rats (Sagi et al) 1990;24:521
- re: Ohlsén: closure of nasal septal perforation with a cutaneous flap and a perichondrocutaneous graft (Matton) 1990;24:98 (Letter)
- reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328
- scalp reconstruction by microvascular free tissue transfer (Furnas et al) 1990;24:431
- scrotal septocutaneous island flap for the reconstruction of the urethral fistula (Sakai et al) 1990;24:49 (Case report)
- Flaps, subcutaneous**
- partial eyebrow reconstruction using subcutaneous pedicle flaps to preserve the natural hair direction (Kasai and Ogawa) 1990;24:117
- re: Doermann et al: V-Y advancement flaps for tumor excision defects of the eyelids (Peled) 1990;24:384 (Letter)
- re: V-Y advancement flaps for tumor excision defects of the eyelids (Field) (Letter); (Zook) (Reply) 1990;24:467
- Flowmeters**
- external monitoring of vascularized jejunum transfers using laser Doppler flowmetry (Hallock and Koch) 1990;24:213
- Foot**
- conjoint extensor digitorum brevis muscle and dorsalis pedis osteocutaneous island flap (Hallock) 1990;24:371 (Case report)
- distally based lateral calcaneal flap (Ishikawa et al) 1990;24:10
- heel and foot reconstruction using reverse-flow posterior tibial flap (Satoh et al) 1990;24:318
- use of free fasciocutaneous and muscle flaps for reconstruction of the foot (Wyble et al) 1990;24:101
- Forearm**
- forearm free flap based on an occluded radial artery: its salvage and avoidance (Chang and Mahoney) 1990;24:455 (Case report)
- Foreign bodies**
- massive foreign body impalement of the shoulder and chest wall (Rose) 1990;24:451 (Case report)
- Fournier's gangrene. See Gangrene**
- Fracture fixation, internal**
- open reduction and interfragment wire fixation of comminuted nasal fractures (Kurihara and Kim) 1990;24:179 (Case report)
- rigid internal fixation with miniplates and screws: a cost-effective technique for treating mandible fractures? (Thaller et al) 1990;24:469
- Gadgetry**
- accurate tip rhinoplasty marking technique (Moss) 1990;24:538
- better "sky hook" for hand elevation (Sunde and Pearl) 1990;24:189
- nylon threads used as drains in free skin grafting (Nakayama and Soeda) 1990;24:91
- simple suction drainage: an adjunct to septal surgery (Carraway and Mellow) 1990;24:191
- simple technique for removal of a sharp, notched, impaled instrument (Gajiwala) 1990;24:96
- technique for valve placement in breast reconstruction using tissue expanders (Paul) 1990;24:378
- treatment of gynecomastia without sharp excision (Becker) 1990;24:380
- Gangrene**
- scrotal reconstruction following Fournier's gangrene using the medial thigh fasciocutaneous flap (Hallock) 1990;24:86 (Case report)
- Genitalia**
- reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328
- Gluteal region. See Buttocks**
- Goretex. See Polytetrafluoroethylene**

Graft rejection

in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134

Graft survival

increased survival length of experimental flap by calcium antagonist nifedipine (Hira et al) 1990;24:45

increasing flap survival: a new method (Zhi-Xiang et al) 1990;24:414

pH-balanced solutions with superoxide dismutase (SOD): an attempt to increase island groin flap survival in rats (Sagi et al) 1990;24:521

single-donor fibrin glue for hand burns (Stuart et al) 1990;24:524

use of cartilage graft for an orbital socket implant (Carraway et al) 1990;24:139

Granulation tissue

injection of illicit drugs into the granulation tissue of chronic ulcers (Abidin et al) 1990;24:268 (Case report)

Groin

reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328

Gynecomastia

treatment of gynecomastia without sharp excision (Becker) 1990;24:380 (Gadgetry)

Hair

partial eyebrow reconstruction using subcutaneous pedicle flaps to preserve the natural hair direction (Kasai and Ogawa) 1990;24:117

Hand

better "sky hook" for hand elevation (Sunde and Pearl) 1990;24:189 (Gadgetry)

conjoint extensor digitorum brevis muscle and dorsalis pedis osteocutaneous island flap (Hallock) 1990;24:371 (Case report)

hand infections in the diabetic and the diabetic renal transplant recipient (Francel et al) 1990;24:304

results of the Allen test on 2,940 arms (Hosokawa et al) 1990;24:149

Hand injuries

better "sky hook" for hand elevation (Sunde and Pearl) 1990;24:189 (Gadgetry)

single-donor fibrin glue for hand burns (Stuart et al) 1990;24:524

Head injuries

infection following cranial bone grafting—a need for caution? (Lewis Jr et al) 1990;24:276 (Case report)

nonmicrosurgical transfer of the radial forearm flap for head and neck reconstruction (Govila) 1990;24:109

Heel

heel and foot reconstruction using reverse-flow posterior tibial flap (Sato et al) 1990;24:318

Hemangioma, cavernous

benefits of contact and noncontact YAG laser for periorbital hemangiomas (Apfelberg et al) 1990;24:397

Hemangiosarcoma

angiosarcoma of the face and scalp (Liu et al) 1990;24:68 (Case report)

Hematoma

nylon threads used as drains in free skin grafting (Nakayama and Soeda) 1990;24:91 (Gadgetry)

Heparin

washout of vessels with heparin does not improve patency following severe microarterial trauma: an experimental study (Wieslander and Dougan) 1990;24:216

Humeral fractures

susceptibility to tourniquet-induced radial palsy in the presence of previous humeral fracture (Kurihara and Goto) 1990;24:346 (Case report)

Hydrogen-ion concentration

pH-balanced solutions with superoxide dismutase (SOD): an attempt to increase island groin flap survival in rats (Sagi et al) 1990;24:521

Impalement. See Wounds, penetrating**Implants, artificial. See also Prosthesis**

correction of breast ptosis with the expander mammary prosthesis (Becker and van Leeuwen) 1990;24:489

evaluation of porous polyethylene for external ear reconstruction (Shanbhag et al) 1990;24:32

intraluminal cyclosporine A reduces capsular thickness around silicone implants in rats (Stark et al) 1990;24:156

polyurethane nipple prosthesis (Hallock) 1990;24:80 (Case report)

submalar augmentation: a procedure to enhance rhytidectomy (Binder) 1990;24:200

surgical correction of breast deformities following long-lasting complications of polyurethane-covered implants (Berrino et al) 1990;24:481

textured silicone and capsule contracture (Caffee) 1990;24:197

use of cartilage graft for an orbital socket implant (Carraway et al) 1990;24:139

Infection

hand infections in the diabetic and the diabetic renal transplant recipient (Francel et al) 1990;24:304

infection following cranial bone grafting—a need for caution? (Lewis Jr et al) 1990;24:276 (Case report)

Injections, intravenous

injection of illicit drugs into the granulation tissue of chronic ulcers (Abidin et al) 1990;24:268 (Case report)

Internal fracture fixation. See Fracture fixation, internal**Irrigation**

increasing flap survival: a new method (Zhi-Xiang et al) 1990;24:414

Ischemia

effects of ischemia on ulcer wound healing: a new model in the rabbit ear (Ahn and Mustoe) 1990;24:17

Ischium

buried inferiorly based gluteus maximus musculocutane-

- ous flap for reconstruction of large, recurrent ischiopubic pressure sores (Wey et al) 1990;24:283 (Case report)
- Island flaps.** See **Flaps, island**
- Jejunum, transplantation**
external monitoring of vascularized jejunum transfers using laser Doppler flowmetry (Hallock and Koch) 1990;24:213
- Joint instability**
ankle instability of the donor site following removal of vascularized fibula bone graft (Ganel and Yaffe) 1990;24:7
- Keratinocytes**
growth and adherence of xeroderma pigmentosum keratinocytes in vitro (Morykwas et al) 1990;24:342
- Kidney, transplantation**
hand infections in the diabetic and the diabetic renal transplant recipient (Francel et al) 1990;24:304
- Knee**
lateral genicular artery flap (Hayashi and Maruyama) 1990;24:310
- Laser surgery**
benefits of contact and noncontact YAG laser for periorbital hemangiomas (Apfelberg et al) 1990;24:397
carbon dioxide laser blepharoplasty—advantages and disadvantages (Mittelman and Apfelberg) 1990;24:1
- Letters**
re: Doermann et al: V-Y advancement flaps for tumor excision defects of the eyelids (Peled) 1990;24:384 (Letter)
re: hereditary progressive nodular lipomatosis: a report and selective review of a new syndrome (Spinowitz) 1990;24:540 (Letter)
re: Kaplan: a quick stapler tie-over fixation for skin grafts (Stein) 1990;24:98 (Letter)
re: Ohlsén: closure of nasal septal perforation with a cutaneous flap and a perichondrocutaneous graft (Matton) 1990;24:98 (Letter)
re: V-Y advancement flaps for tumor excision defects of the eyelids (Field) (Letter); (Zook) (Reply) 1990;24:467
- Lidocaine**
improvement in blood flow and diameter of the postnasal rat tail artery by topical application of lidocaine in varying concentrations (Beekman et al) 1990;24:248
- Lipectomy**
combined suction-assisted lipectomy, surgical lipectomy, and surgical abdominoplasty (Ousterhout); (invited comment) (Lewis) 1990;24:126
liposuction of giant lipoma (Nichter and Gupta) 1990;24:362 (Case report)
parotid salivary fistula following rhytidectomy (Bansberg and Krugman) 1990;24:61 (Case report)
re: hereditary progressive nodular lipomatosis: a report and selective review of a new syndrome (Spinowitz) 1990;24:540 (Letter)
- treatment of gynecomastia without sharp excision (Becker) 1990;24:380 (Gadgetry)
- Lipoma**
liposuction of giant lipoma (Nichter and Gupta) 1990;24:362 (Case report)
- Lipomatosis**
re: hereditary progressive nodular lipomatosis: a report and selective review of a new syndrome (Spinowitz) 1990;24:540 (Letter)
- Liposuction.** See **Lipectomy**
- Malar bone.** See **Zygoma**
- Mammary prosthesis.** See **Implants, artificial**
- Mandible**
bone lengthening in the craniofacial skeleton (Karp et al) 1990;24:231
treatment of orthognathic problems related to scleroderma (Thaller and Kawamoto) 1990;24:528 (Case report)
- Mandibular fractures**
rigid internal fixation with miniplates and screws: a cost-effective technique for treating mandible fractures? (Thaller et al) 1990;24:469
- Mastectomy**
early experience with high thoracic epidural anesthesia in outpatient submuscular breast augmentation (Nesmith et al); (invited comment) (Brotsky) 1990;24:299
intraluminal cyclosporine A reduces capsular thickness around silicone implants in rats (Stark et al) 1990;24:156
psychological preparation of the patient for breast reconstruction (Matheson and Drever) 1990;24:238
technique for valve placement in breast reconstruction using tissue expanders (Paul) 1990;24:378 (Gadgetry)
- Mastectomy, segmental**
nipple centralization for the correction of breast deformity from segmental mastectomy (Kroll and Doores) 1990;24:271 (Case report)
- Mental health**
psychological considerations in the elderly cosmetic surgery candidate (Napoleon and Lewis) 1990;24:165 (Overview)
- Metastasis.** See **Neoplasm metastasis**
- Methylene blue**
accurate tip rhinoplasty marking technique (Moss) 1990;24:538 (Gadgetry)
- Methylprednisolone**
fate of soluble steroids within breast prostheses in humans (Morykwas et al) 1990;24:427
- Microsurgery**
role of microsurgery in modern surgery (O'Brien) 1990;24:258 (Overview)
use of vein-patch angioplasty in microvascular tissue transfers (Chowdary et al) 1990;24:289 (Case report)
washout of vessels with heparin does not improve patency following severe microarterial trauma: an experimental study (Wieslander and Dougan) 1990;24:216

Muscle denervation

electrophysiological study of the denervated orbicularis oculi muscle in dogs (Salerno et al) 1990;24:24

Muscles, transplantation. See also Flaps, muscle

microsurgical transfer of the rectus abdominis muscle using the superior epigastric vessels (Canales et al) 1990;24:534 (Case report)

Musculocutaneous flaps. See Flaps, musculocutaneous

Nasal bone

dome truncation for management of the overprojected nasal tip (Kridel and Konior) 1990;24:385
open reduction and interfragment wire fixation of comminuted nasal fractures (Kurihara and Kim) 1990;24:179 (Case report)

Nasal septum

re: Ohlsén: closure of nasal septal perforation with a cutaneous flap and a perichondrocutaneous graft (Matton) 1990;24:98 (Letter)
simple suction drainage: an adjunct to septal surgery (Carraway and Mellow) 1990;24:191 (Gadgetry)

Neck

external monitoring of vascularized jejunum transfers using laser Doppler flowmetry (Hallock and Koch) 1990;24:213
nonmicrosurgical transfer of the radial forearm flap for head and neck reconstruction (Govila) 1990;24:109

Neck, abnormalities

port wine stain: distribution patterns on the face and neck (Ohtsuka) 1990;24:409
treatment of webbed neck in Turner's syndrome with tissue expansion (Miller et al) 1990;24:447 (Case report)

Neoplasm metastasis

long-term survival following nodal metastases from basal cell carcinoma (Raszewski and Guyuron) 1990;24:170 (Case report)

Neoplasms

re: V-Y advancement flaps for tumor excision defects of the eyelids (Field) (Letter); (Zook) (Reply) 1990;24:467

Neurofibroma

large vascular plexiform neurofibroma of scalp: excision and coverage with free tissue transfer (Chowdary and Little) 1990;24:75 (Case report)

Nevus

port wine stain: distribution patterns on the face and neck (Ohtsuka) 1990;24:409

Nifedipine

increased survival length of experimental flap by calcium antagonist nifedipine (Hira et al) 1990;24:45

Nipples

nipple-areola transposition by the superolateral-rotation pedicle technique in reduction mammoplasty: surgical description (Blomqvist and Alberius) 1990;24:475
nipple centralization for the correction of breast deformity from segmental mastectomy (Kroll and Doores) 1990;24:271 (Case report)

polyurethane nipple prosthesis (Hallock) 1990;24:80 (Case report)

Nose. See also Nasal entries

dome truncation for management of the overprojected nasal tip (Kridel and Konior) 1990;24:385

Nylons

nylon threads used as drains in free skin grafting (Nakayama and Soeda) 1990;24:91 (Gadgetry)

Obesity

combined suction-assisted lipectomy, surgical lipectomy, and surgical abdominoplasty (Ousterhout); (invited comment) (Lewis) 1990;24:126

Oculomotor muscles

electrophysiological study of the denervated orbicularis oculi muscle in dogs (Salerno et al) 1990;24:24

Omentum, transplantation

scalp reconstruction by microvascular free tissue transfer (Furnas et al) 1990;24:431

Orbicularis oculi muscle. See Oculomotor muscles

Orbicularis oculi reflex. See Blinking

Osteomyelitis

infection following cranial bone grafting—a need for caution? (Lewis Jr et al) 1990;24:276 (Case report)

Outpatient surgery. See Ambulatory surgery

Overview

psychological considerations in the elderly cosmetic surgery candidate (Napoleon and Lewis) 1990;24:165
role of microsurgery in modern surgery (O'Brien) 1990;24:258

Paraneurofibroma. See Neurofibroma

Parotid gland

parotid salivary fistula following rhytidectomy (Bansberg and Krugman) 1990;24:61 (Case report)

Pedicle flaps. See Flaps, pedicle

Pelvis

experience with the island inferior gluteal thigh flap compared with other local flaps for the reconstruction of the pelvic area (Rosen et al) 1990;24:498

Penetrating wounds. See Wounds, penetrating

Perfusion

effects of ischemia on ulcer wound healing: a new model in the rabbit ear (Ahn and Mustoe) 1990;24:17
improvement in blood flow and diameter of the postnastomotic rat tail artery by topical application of lidocaine in varying concentrations (Beekman et al) 1990;24:248

Perineum

reconstruction of the external genitals and repair of skin defects of the perineal region using three types of lateral groin flap (Sun et al) 1990;24:328
scrotal septocutaneous island flap for the reconstruction of the urethral fistula (Sakai et al) 1990;24:49 (Case report)

Polyethylenes

evaluation of porous polyethylene for external ear reconstruction (Shanbhag et al) 1990;24:32

Polytetrafluoroethylene

in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134

Polyurethanes

polyurethane nipple prosthesis (Hallock) 1990;24:80 (Case report)
surgical correction of breast deformities following long-lasting complications of polyurethane-covered implants (Berrino et al) 1990;24:481

Popliteal artery

suprapopliteal flap (Satoh et al) 1990;24:459 (Case report)

Port wine stain. See Nevus**Proplast**

in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134

Prostaglandin E

increased survival length of experimental flap by calcium antagonist nifedipine (Hira et al) 1990;24:45

Prosthesis. See also Implants, artificial

correction of breast ptosis with the expander mammary prosthesis (Becker and van Leeuwen) 1990;24:489
fate of soluble steroids within breast prostheses in humans (Morykwas et al) 1990;24:427
in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134
polyurethane nipple prosthesis (Hallock) 1990;24:80 (Case report)
technique for valve placement in breast reconstruction using tissue expanders (Paul) 1990;24:378 (Gadgetry)
use of cartilage graft for an orbital socket implant (Carraway et al) 1990;24:139

Pseudomonas

acute *Pseudomonas* chondritis as a sequel to ear piercing (Turkeltaub and Habal) 1990;24:279 (Case report)

Radial forearm free flap. See Flaps, arterial**Radial nerve**

susceptibility to tourniquet-induced radial palsy in the presence of previous humeral fracture (Kurihara and Goto) 1990;24:346 (Case report)

Reimplantation. See Replantation**Replantation**

reimplantation of scalp (Juri et al) 1990;24:354 (Case report)
successful replantation of a totally amputated ear (Sadove) 1990;24:366 (Case report)

Rhinoplasty

accurate tip rhinoplasty marking technique (Moss) 1990;24:538 (Gadgetry)
dome truncation for management of the overprojected nasal tip (Kridel and Konior) 1990;24:385

Rhytidectomy. See Rhytidoplasty**Rhytidoplasty**

parotid salivary fistula following rhytidectomy (Bansberg and Krugman) 1990;24:61 (Case report)

submalar augmentation: a procedure to enhance rhytidectomy (Binder) 1990;24:200

Sacroccygeal region

sliding plication gluteus maximus musculocutaneous flap for reconstruction of sacroccygeal wounds (Ramirez) 1990;24:223

Salivary gland fistula

parotid salivary fistula following rhytidectomy (Bansberg and Krugman) 1990;24:61 (Case report)

Scalp

angiosarcoma of the face and scalp (Liu et al) 1990;24:68 (Case report)
avulsion of the scalp: which one is the best artery for anastomosis? (Sakai et al) 1990;24:350 (Case report)
large vascular plexiform neurofibroma of scalp: excision and coverage with free tissue transfer (Chowdary and Little) 1990;24:75 (Case report)
reimplantation of scalp (Juri et al) 1990;24:354 (Case report)
scalp reconstruction by microvascular free tissue transfer (Furnas et al) 1990;24:431
treatment of the concrete scalp donor site (Engrav et al) 1990;24:162

Scapula

anatomy of the subscapular artery and its effects on flap design in the rabbit (Angel et al) 1990;24:152

Scleroderma, systemic

treatment of orthognathic problems related to scleroderma (Thaller and Kawamoto) 1990;24:528 (Case report)

Scrotum

scrotal reconstruction following Fournier's gangrene using the medial thigh fasciocutaneous flap (Hallock) 1990;24:86 (Case report)
scrotal septocutaneous island flap for the reconstruction of the urethral fistula (Sakai et al) 1990;24:49 (Case report)

Shoulder

massive foreign body impalement of the shoulder and chest wall (Rose) 1990;24:451 (Case report)

Silicones

evaluation of porous polyethylene for external ear reconstruction (Shanbhag et al) 1990;24:32
intraluminal cyclosporine A reduces capsular thickness around silicone implants in rats (Stark et al) 1990;24:156
in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134
submalar augmentation: a procedure to enhance rhytidectomy (Binder) 1990;24:200
textured silicone and capsule contracture (Caffee) 1990;24:197

Skin, transplantation. See also Flaps, skin

enhancement of expansion of guinea pig skin by local delivery of an anticontractile agent using a new bilumen expander (Matt et al) 1990;24:335

Skin, transplantation (continued)

- nylon threads used as drains in free skin grafting (Nakayama and Soeda) 1990;24:91 (Gadgetry)
- re: Kaplan: a quick stapler tie-over fixation for skin grafts (Stein) 1990;24:98 (Letter)
- treatment of tattoos with pure epidermal sheet grafting (Hosokawa et al) 1990;24:53 (Case report)
- treatment of the concrete scalp donor site (Engrav et al) 1990;24:162

Skin ulcer

- buried inferiorly based gluteus maximus musculocutaneous flap for reconstruction of large, recurrent ischiopubic pressure sores (Wey et al) 1990;24:283 (Case report)
- effects of ischemia on ulcer wound healing: a new model in the rabbit ear (Ahn and Mustoe) 1990;24:17
- injection of illicit drugs into the granulation tissue of chronic ulcers (Abidin et al) 1990;24:268 (Case report)

Skull

- infection following cranial bone grafting—a need for caution? (Lewis Jr et al) 1990;24:276 (Case report)

Soaps

- toxicity of cleaning agents for removal of grease from wounds (Thompson et al) 1990;24:40

Staphylococcus aureus

- in vitro adherence of bacteria to prosthetic grafting materials (Brewer and Stromberg) 1990;24:134

Stapler

- re: Kaplan: a quick stapler tie-over fixation for skin grafts (Stein) 1990;24:98 (Letter)

Steroids

- fate of soluble steroids within breast prostheses in humans (Morykwas et al) 1990;24:427

Subcutaneous flaps. See Flaps, subcutaneous**Substance abuse**

- injection of illicit drugs into the granulation tissue of chronic ulcers (Abidin et al) 1990;24:268 (Case report)

Suction

- simple suction drainage: an adjunct to septal surgery (Carraway and Mellow) 1990;24:191 (Gadgetry)

Suction lipectomy. See Lipectomy**Superoxide dismutase**

- pH-balanced solutions with superoxide dismutase (SOD): an attempt to increase island groin flap survival in rats (Sagi et al) 1990;24:521

Suprapopliteal flap. See Flaps, arterial**Tattooing**

- treatment of tattoos with pure epidermal sheet grafting (Hosokawa et al) 1990;24:53 (Case report)

Temporal arteries

- avulsion of the scalp: which one is the best artery for anastomosis? (Sakai et al) 1990;24:350 (Case report)

Theophylline

- enhancement of expansion of guinea pig skin by local delivery of an anticontractile agent using a new bilumen expander (Matt et al) 1990;24:335

Thoracic nerves

- lesion of the long thoracic nerve during transaxillary breast augmentation: an unusual complication (Laban and Kon) 1990;24:445 (Case report)

Thorax, injuries

- massive foreign body impalement of the shoulder and chest wall (Rose) 1990;24:451 (Case report)

Tibial fractures

- microvascular soft tissue reconstruction for acute tibial fractures—late complications and the role of bone grafting (Peat and Liggins) 1990;24:517

Tissue expansion

- enhancement of expansion of guinea pig skin by local delivery of an anticontractile agent using a new bilumen expander (Matt et al) 1990;24:335
- technique for valve placement in breast reconstruction using tissue expanders (Paul) 1990;24:378 (Gadgetry)

Tissue perfusion. See Perfusion**Tissue survival. See Graft survival****Tourniquets**

- susceptibility to tourniquet-induced radial palsy in the presence of previous humeral fracture (Kurihara and Goto) 1990;24:346 (Case report)

Transplantation, autologous

- syringe aspiration and fat concentration: a simple technique for autologous fat injection (Carraway and Mellow); [invited comment] (Ellenbogen) 1990;24:293 (Case report)

Transplantation, heterologous

- enhancement of expansion of guinea pig skin by local delivery of an anticontractile agent using a new bilumen expander (Matt et al) 1990;24:335

Tumors. See Neoplasms**Turner's syndrome**

- treatment of webbed neck in Turner's syndrome with tissue expansion (Miller et al) 1990;24:447 (Case report)

Urethra

- dartos musculocutaneous island flap in urethral reconstruction (Kenney et al) 1990;24:63 (Case report)

Urethral fistula. See Urinary fistula**Urinary fistula**

- scrotal septocutaneous island flap for the reconstruction of the urethral fistula (Sakai et al) 1990;24:49 (Case report)

Vascular diseases

- pedicled free flaps: indications in complex reconstruction (Brennan et al) 1990;24:420

Vascular surgery

- washout of vessels with heparin does not improve patency following severe microarterial trauma: an experimental study (Wieslander and Dougan) 1990;24:216

Veins, transplantation

- use of vein-patch angioplasty in microvascular tissue transfers (Chowdary et al) 1990;24:289 (Case report)

V-Y advancement flap. See Flaps, subcutaneous

Webbed neck. *See* Neck, abnormalities

Wound healing

- effects of ischemia on ulcer wound healing: a new model in the rabbit ear (Ahn and Mustoe) 1990;24:17
- toxicity of cleaning agents for removal of grease from wounds (Thompson et al) 1990;24:40

Wounds, penetrating

- massive foreign body impalement of the shoulder and chest wall (Rose) 1990;24:451 (Case report)
- simple technique for removal of a sharp, notched, impaled instrument (Gajiwala) 1990;24:96 (Gadgetry)

Xeroderma pigmentosum

- growth and adherence of xeroderma pigmentosum keratinocytes in vitro (Morykwas et al) 1990;24:342

YAG laser. *See* Laser surgery

Zygoma

- submalar augmentation: a procedure to enhance rhytidectomy (Binder) 1990;24:200